

FIG. 1

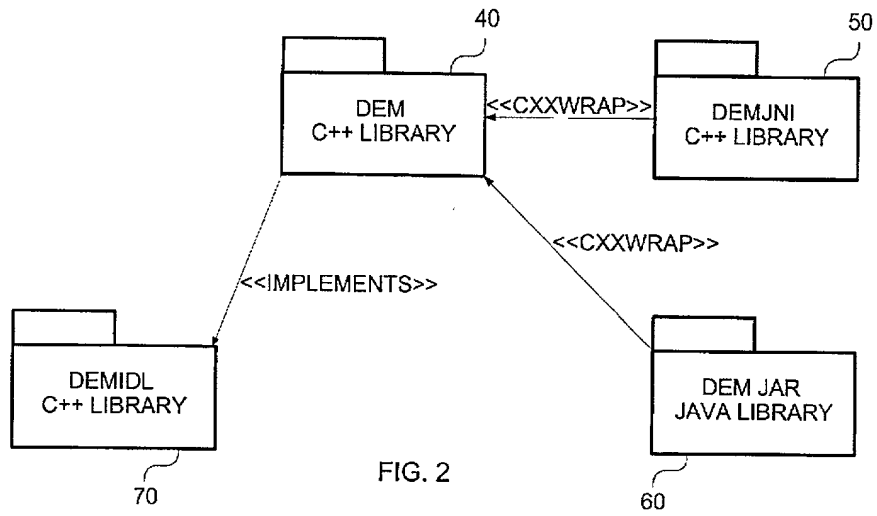
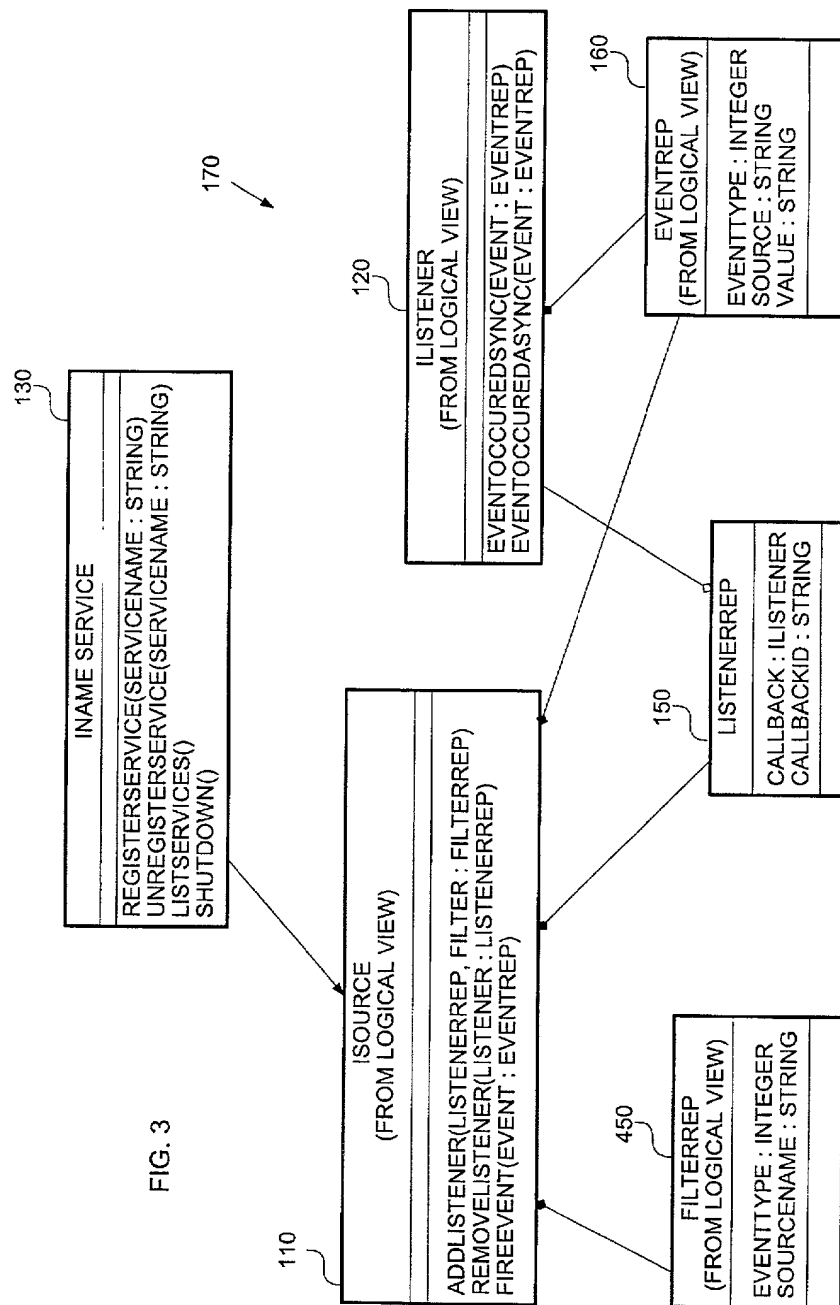
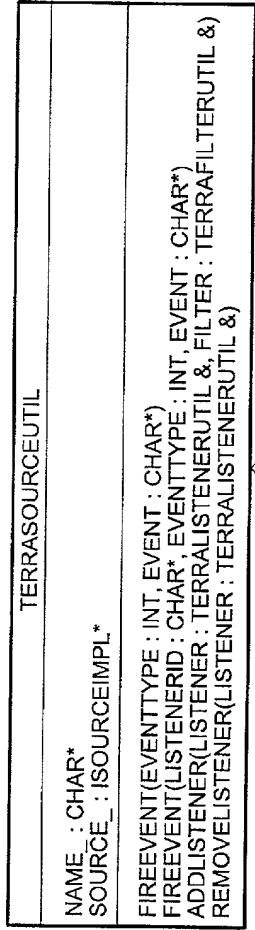


FIG. 2

FIG. 3

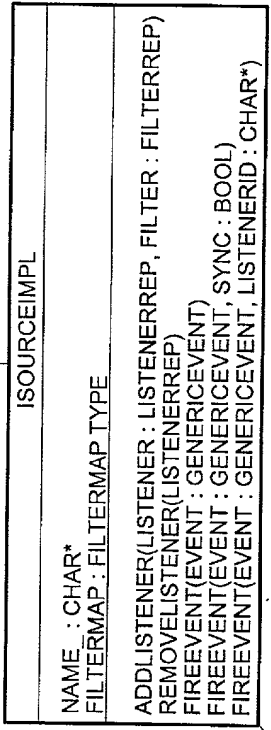


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TERRASOURCEUTIL
NAME : CHAR*
SOURCE_ : ISOURCEIMPL*
FIREEVENT(EVENTTYPE : INT, EVENT : CHAR*)
FIREEVENT(LISTENERID : CHAR*, EVENTTYPE : INT, EVENT : CHAR*)
ADDLISTENER(LISTENER : TERRALISTENERUTIL &, FILTER : TERRAFILTERUTIL &)
REMOVELISTENER(LISTENER : TERRALISTENERUTIL &)



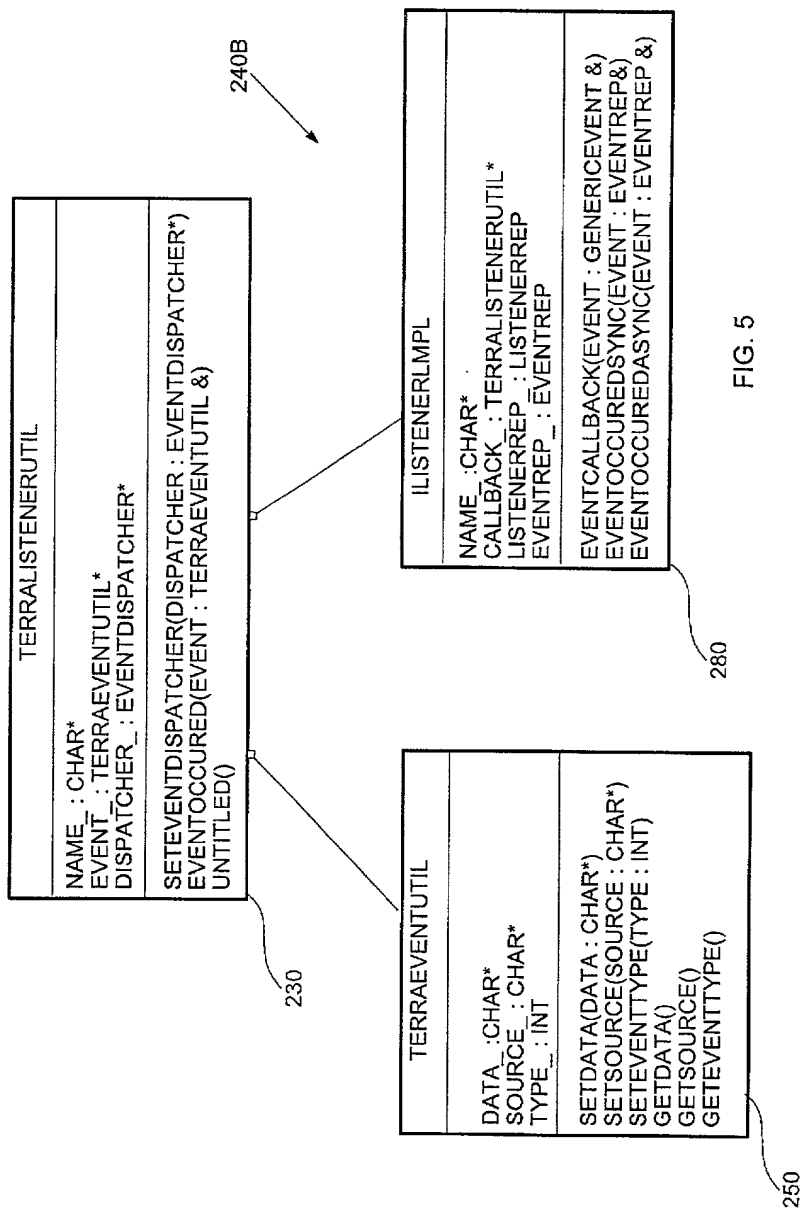
210

240A



220

FIG. 4



TERRANAMESERVICEUTIL (FROM LOGICAL VIEW)
NAME SRVC : NAMESERVICEUTIL *
REGISTER SERVICE(SOURCE NAME : CHAR*) UNREGISTER SERVICE(SOURCE NAME : CHAR*) ADD LISTENER(LISTENER : TERRALISTENERUTIL &, FILTER : TERRAFILTERUTIL &) LIST SERVICES() GET REFERENCE(SOURCE NAME : CHAR*) SHUTDOWN()

260

240C

NAMESERVICEUTIL
TNS : NAMESERVICE_PTR
REGISTER SERVICE(SOURCE NAME : CHAR*) UNREGISTER SERVICE(SOURCE NAME : CHAR*) ADD LISTENER(LISTENER : ILISTENERIMPL &, FILTER : FILTERREP &) LIST SERVICES() SHUTDOWN()

270

FIG. 6

